

## Science Inquiry 4.1 p.49

Name \_\_\_\_\_ #\_\_\_\_\_

### Recognizes Key Concepts

- A. Describe and draw the position of the Sun and Earth during winter in the Northern Hemisphere.
  
  
  
  
  
  
  
  
  
  
- B. Describe and draw the position of the Sun and Earth during summer in the Northern Hemisphere.

### Applies and Interprets data

- C. Why are summer and winter 6 months apart?
  
  
  
  
  
  
- D. What is happening in the Southern Hemisphere when it is winter in the Northern Hemisphere?

### Critical Thinking

- E. Earth travels in a slightly elliptical orbit around the sun. Therefore, Earth is closer to the sun in December than it is in June. If Earth is closer to the sun in December why is December in the Northern Hemisphere colder than June?
  
  
  
  
  
  
  
  
  
  
- F. What did you learn in this inquiry that helps you describe one reason why winter is colder than summer?

\*\*\* How would our weather be different if the earth were not tilted  $23\frac{1}{2}$  degrees but was straight up?